

SECTION 2-4

OPERATION OF INSTRUMENTS AND CONTROLS

Car audio system

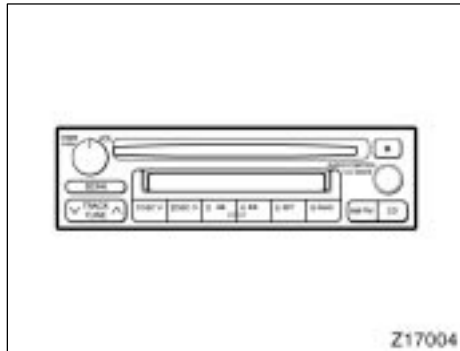
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2-4

Reference



Type 1: AM/FM ETR radio/cassette player with compact disc auto changer controller



Type 2: AM/FM ETR radio/compact disc player with compact disc auto changer controller

100

Using your audio system— —some basics

This section describes some of the basic features on Toyota audio systems. Some information may not pertain to your system.

Your audio system works when the motor key is in the "ACC" or "ON" position.

TURNING THE SYSTEM ON AND OFF

Push "VOL/PWR" or "PWR/VOL" to turn the audio system on and off.

Push "AM", "FM", "AM-FM", "TAPE" or "CD" to turn on that function without pushing "VOL/PWR" or "PWR/VOL".

You can turn on each player by inserting a cassette tape or compact disc.

You can turn off each player by ejecting the cassette tape or compact disc. If the audio system was previously off, then the entire audio system will be turned off when you eject the cassette tape or compact disc. If another function was previously playing, it will come on again.

SWITCHING BETWEEN FUNCTIONS

Push "AM", "FM", "AM-FM", "TAPE" or "CD" if the system is already on but you want to switch from one function to another.

TONE AND BALANCE

For details about your system's tone and balance controls, see the description of your own system.

Tone

How good an audio program sounds to you is largely determined by the mix of the treble and bass levels. In fact, different kinds of music and vocal programs usually sound better with different mixes of treble and bass.

Balance

A good balance of the left and right stereo channels and of the front and rear sound levels is also important.

Keep in mind that if you are listening to a stereo recording or broadcast, changing the right/left balance will increase the volume of one group of sounds while decreasing the volume of another.

YOUR RADIO ANTENNA

To lower a manual antenna, carefully push it down.

NOTICE

To prevent damage to the antenna, make sure it is retracted before driving your Toyota through an automatic car wash.

YOUR CASSETTE PLAYER

When you insert a cassette, the exposed tape should be to the right.

NOTICE

Do not oil any part of the player and do not insert anything other than cassette tapes into the slot, or the tape player may be damaged.

YOUR COMPACT DISC PLAYER

When you insert a disc, gently push it in with the label side up. (The player will automatically eject a disc if the label side is down.) The compact disc player will play from track 1 through the end of the disc. Then it will play from track 1 again.

NOTICE

Never try to disassemble or oil any part of the compact disc player. Do not insert anything except a compact disc into the slot.

8 cm (3 in.) compact disc singles

Your compact disc player does not need an adaptor to play compact disc singles. Compact disc singles are about 8 cm (3 in.) in diameter—smaller than standard discs.

After you eject a compact disc single, do not insert a standard 12 cm (4.7 in.) disc until "DISC" disappears from the display.

NOTICE

Do not use an adaptor for compact disc singles—it could cause tracking errors or interfere with the ejection of compact discs.

Controls and features

►Type 1



Details of specific buttons, controls, and features are described in the alphabetical listing that follows.

1 2 3 4 5 6 (Preset buttons)

These buttons are used to preset and tune in radio stations.

To preset a station to a button: Tune in the desired station (see "TUNE" button). Push and hold down the button until you hear a beep—this will set the station to the button. The button number will appear on the display.

To tune in to a preset station: Push the button for the station you want. The button number and station frequency will appear on the display.

These systems can store one AM and two FM stations for each button (The display will show "AM", "FM1" or "FM2" when you push "AM" or "FM").

▲ (Eject button)

Push this button to eject a cassette.

After you turn the motor switch to "LOCK", you will be able to eject a cassette but you will not be able to reinsert it.

◀▶ (Reverse/Fast forward buttons)

Cassette Player

Push the fast forward button to fast forward a cassette tape. "FF" will appear on the display. Push the reverse button to rewind a tape. "REW" will appear on the display.

To stop the tape while it is fast forwarding, push the fast forward button or "TAPE"; to stop the tape while it is rewinding, push the reverse button or "TAPE".

If a tape side rewinds completely, the cassette player will stop and then play that same side. If a tape fast forwards completely, the cassette player will play the other side of the tape, using the auto-reverse feature.

Compact Disc Player

If you want to fast forward or reverse through a compact disc track, push and hold in the fast forward or reverse button. When you release the button, the compact disc player will resume playing.

AM

Push "AM" to switch the AM band. "AM" will appear on the display.

If the audio system is off, you can turn on the radio by pushing "AM". Also, push "AM" to switch from cassette or compact disc operation to radio operation.

AUDIO CONTROL / MODE

Manual tone adjustment function—

This knob is used to adjust the tone manually.

For low-pitch tone adjustment, push "AUDIO CONTROL / MODE" repeatedly until "BAS" appears on the display. Then turn the knob to suit your preference.

The display will show the range from "BAS -5" to "BAS 5".

For high-pitch tone adjustment, push "AUDIO CONTROL / MODE" repeatedly until "TRE" appears on the display. Then turn the knob to suit your preference.

The display will show the range from "TRE -5" to "TRE 5".

Sound balance adjustment function—

This knob is also used to adjust the sound balance between the front and rear, and the right and left speakers.

For front/rear adjustment, push "AUDIO CONTROL / MODE" repeatedly until "FAd" appears on the display. Then turn the knob to adjust the front/rear balance.

The display will show the range from "FAd F7" to "FAd R7".

For left/right adjustment, push "AUDIO CONTROL / MODE" repeatedly until "BAL" appears on the display. Then turn the knob to adjust the left/right balance.

The display will show the range from "BAL L7" to "BAL R7".

CD (Compact Disc)

Push "CD" to switch from radio or cassette operation to compact disc operation. If the audio system is off, you can turn on the compact disc player by pushing "CD". In both cases, a disc must already be loaded in the player.

When the audio is set into compact disc operation, the display shows the track or, track and disc number currently being played. Each time you push "CD", the system changes between single disc player and automatic changer.

If the player malfunctions, your audio system will display one of the following six error messages.

If "WAIT" appears on the display, it indicates that the inside of the player unit may be too hot due to the very high ambient temperature. Remove the disc or magazine from the player and allow the player to cool down.

If "Err 1" appears on the display, it indicates the disc is dirty, damaged, or it was inserted upside down. Clean the disc or insert it correctly.

If "Err 2" appears on the display, it indicates no disc is loaded inside the magazine, insert a disc.

If "Err 3" or "Err 4" on the display, it indicates there is a trouble inside the system. Eject the disc or magazine. Set the disc or magazine again.

If "OPen" appears on the display, it indicates the compact disc auto changer lid is open. Close the compact disc auto changer lid.

If the malfunction is not rectified, take your vehicle to your EV service station.

DISC ∨∧

Compact disc auto changer only—


By using this button, you can select a disc you wish to listen to.

Push either side of the button several times until the number of the disc you want to listen to appears on the display.

Dolby® B NR*

If you are listening to a tape that was recorded with Dolby® B Noise Reduction, push the button marked with the double-D symbol. The double-D symbol will appear on the display. Push the button again to turn off Dolby® B NR.

The Dolby NR mode reduces tape noise by about 10 dB. For best sound reproduction, play your tapes with this button on or off according to the mode used for recording the tape.

*: Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

FM

Push "FM" to select the FM band. "FM1" or "FM2" will appear on the display. This system allows you to set twelve FM stations, two for each button.

If the audio system is off, you can turn on the radio by pushing "FM". Also, push "FM" to switch from cassette or compact disc operation to radio operation.

PROG (Program)

Push "PROG" to select the other side of a cassette tape. The display indicates which side is currently selected ("▲" indicates top side, "▼" indicates bottom side).

Auto-reverse feature: After the cassette player reaches the end of a tape side, it automatically reverses and begins to play the other side. This is true whether the cassette was playing or fast forwarding.

RAND (Random)

There are two random features—you can either listen to the tracks on all the compact discs in the magazine in random order, or only listen to the tracks on a specific compact disc in random order.

To randomly play tracks on a disc: Quickly push and release "RAND". "RAND" will appear on the display. This disc you are listening to will be played in random order. If you hear a beep, you held the button too long, and the player will play all the tracks in the magazine in random order. To turn off the random feature, push the "RAND" a second time.

Compact disc auto changer only—

To randomly play all the tracks in the magazine:

Push and hold "RAND" until you hear a beep. "D-RAND" will appear on the display and the player will perform all the tracks on all the discs in the magazine in random order. To turn off the random feature, push "RAND" a second time.

RPT (Repeat)

There are two repeat features—you can either replay a disc track or a whole compact disc.

Repeating a track:

Quickly push and release "RPT" while the track is playing. "RPT" will appear on the display. If you hear a beep, you held the button too long, and the player will repeat the whole disc. When the track ends, it will automatically be replayed. This process will be continued until you push the button again to turn off the repeat feature.

Compact disc auto changer only—

Repeating a disc:

Push and hold "RPT" until you hear a beep. "D-RPT" will appear on the display. The player will repeat all the tracks on the disc you are listening to. When the disc ends, the player will automatically go back to the top track of the disc and replay. This process will be continued until you push the button again to turn off the repeat feature.

SCAN

Radio

You can either scan all the frequencies on a band or scan only the preset stations for that band.

To scan all the frequencies:

Quickly push and release "SCAN". If you hear a beep, you held the button too long, and the radio will scan the preset stations. The radio will find the next station up the station band, stay there for a few seconds, and then scan again. To select a station, push "SCAN" a second time.

To scan the preset stations:

Push and hold "SCAN" until you hear a beep. The radio will tune in the next preset station up the band, stay there for a few seconds, and then move to the next preset station. To select a station, push "SCAN" a second time.

Compact disc player

There are two scan features—you can either scan the tracks on a specific disc or scan the first tracks of all the discs in the magazine.

Scanning for the tracks on a disc:

Quickly push and release "SCAN". "SCAN" will appear on the display and the player will scan all the tracks on the disc you are listening to. If you hear a beep, you held the button too long, and the player will scan the first tracks of all the discs in the magazine. To select a track, push the "SCAN" a second time. If the player scanned all the tracks on the disc, it will stop scanning.

Compact disc auto changer only—

Scanning for the first tracks of all the discs in the magazine:

Push and hold "SCAN" until you hear a beep. "D-SCAN" will appear on the display and the player will perform the first track of the next disc. To select a disc, push the "SCAN" a second time. If the player has scanned all the discs, it will stop scanning.

ST (Stereo reception) display

Your radio automatically changes to stereo reception when a stereo broadcast is received. "ST" appears on the display. If the signal becomes weak, the radio reduces the amount of channel separation to prevent the weak signal from creating noise. If the signal becomes extremely weak, the radio switches from stereo to mono reception.

TAPE

Push "TAPE" to switch from radio or compact disc operation to cassette operation. If the audio system is off, you can turn on the cassette player by pushing "TAPE". In both cases, a cassette must already be loaded in the player.

TRACK (Track up/down button):

Compact disc player

By using this button, you can skip up or down to a different track.

Push either side of the track button several times until the number of the track you want to listen to appears on the display. If you want to return to the beginning of the current track, push the down side of the button one time, quickly.

TUNE

Tuning

Your Toyota has an electronic tuning radio (ETR). Push and release the "∧" (up) or "∨" (down) side of "TUNE" to step up or down the station band. (If you hear a beep, you held the button too long and the radio will go into the seek mode.)

Seeking

In the seek mode, the radio finds and plays the next station up or down the station band.

To seek a station, push and hold the "∧" or "∨" side of "TUNE" until you hear a beep. Do this again to find another station.

VOL/PWR (Volume/Power)

Push "VOL/PWR" to turn the audio system on and off. Turn "VOL/PWR" to adjust the volume.

►Type 2



Details of specific buttons, controls, and features are described in the alphabetical listing that follows.

1 2 3 4 5 6 (Preset buttons)

These buttons are used to preset and tune in radio stations.

To preset a station to a button: Tune in the desired station (see "TUNE" button). Push and hold down the button until you hear a beep—this will set the station to the button. The button number will appear on the display.

To tune in to a preset station: Push the button for the station you want. The button number and station frequency will appear on the display.

These systems can store one AM and two FM stations for each button (The display will show "AM", "FM1" or "FM2" when you push "AM-FM").

▲ (Eject button)

Push this button to eject a compact disc. After you turn the motor switch to "LOCK", you will be able to eject a disc but you will not be able to reinsert it.

◀▶ (Reverse/Fast forward buttons)

If you want to fast forward or reverse through a compact disc track, push and hold in the fast forward or reverse button. When you release the button, the compact disc player will resume playing.

AM-FM

Push "AM-FM" to switch between the AM and FM bands. "AM", "FM1" or "FM2" will appear on the display. These systems allow you to set twelve FM stations, two for each button.

If the audio system is off, you can turn on the radio by pushing "AM-FM". Also, push "AM-FM" to switch from compact disc operation to radio operation.

AUDIO CONTROL / MODE

Manual tone adjustment function—

This knob is used to adjust the tone manually.

For low-pitch tone adjustment, push "AUDIO CONTROL / MODE" repeatedly until "BAS" appears on the display. Then turn the knob to suit your preference.

The display will show the range from "BAS -5" to "BAS 5".

For high-pitch tone adjustment, push "AUDIO CONTROL / MODE" repeatedly until "TRE" appears on the display. Then turn the knob to suit your preference.

The display will show the range from "TRE -5" to "TRE 5".

Sound balance adjustment function—

This knob is also used to adjust the sound balance between the front and rear, and the right and left speakers.

For front/rear adjustment, push "AUDIO CONTROL / MODE" repeatedly until "FAd" appears on the display. Then turn the knob to adjust the front/rear balance.

The display will show the range from "FAd F7" to "FAd R7".

For left/right adjustment, push "AUDIO CONTROL / MODE" repeatedly until "BAL" appears on the display. Then turn the knob to adjust the left/right balance.

The display will show the range from "BAL L7" to "BAL R7".

CD (Compact Disc)

Push "CD" to switch from radio operation to compact disc operation. If the audio system is off, you can turn on the compact disc player by pushing "CD". In both cases, a disc must already be loaded in the player.

When the audio is set into compact disc operation, the display shows the track or track and disc number currently being played. Each time you push "CD", the system changes between built-in single disc player and automatic changer.

If the player malfunctions, your audio system will display one of the following six error messages.

If "WAIT" appears on the display, it indicates the inside of the player unit may be too hot due to the very high ambient temperature. Remove the disc or magazine from the player and allow the player to cool down.

If "Err 1" appears on the display, it indicates the disc is dirty, damaged, or it was inserted up-side down. Clean the disc or insert it correctly.

If "Err 2" appears on the display, it indicates no disc is loaded inside the magazine, insert a disc.

If "Err 3" or "Err 4" on the display, it indicates there is a trouble inside the system. Eject the disc or magazine. Set the disc or magazine again.

If "OPen" appears on the display, it indicates the compact disc auto changer lid is open. Close the compact disc auto changer lid.

If the malfunction is not rectified, take your vehicle to your EV service station.

DISC ∨∧

Compact disc auto changer only—

By using this button, you can select a disc you wish to listen to.

Push the either side of the button until the number of the disc you want to listen to appears on the display.

PWR/VOL (Power/Volume)

Push "PWR/VOL" to turn the audio system on and off. Turn "PWR/VOL" to adjust the volume.

RAND (Random)

There are two random features—you can either listen to the tracks on all the compact discs in the magazine in random order, or only listen to the tracks on a specific compact disc in random order.

To randomly play tracks on a disc: Quickly push and release "RAND". "RAND" will appear on the display. This disc you are listening to will be played in random order. If you hear a beep, you held the button too long, and the player will play all the tracks in the magazine in random order. To turn off the random feature, push the "RAND" a second time.

Compact disc auto changer only—

To randomly play all the tracks in the magazine:

Push and hold "RAND" until you hear a beep. "D-RAND" will appear on the display and the player will perform all the tracks on all the discs in the magazine in random order. To turn off the random feature, push "RAND" a second time.

RPT (Repeat)

There are two repeat features—you can either replay a disc track or a whole compact disc.

Repeating a track:

Quickly push and release "RPT" while the track is playing. "RPT" will appear on the display. If you hear a beep, you held the button too long, and the player will repeat the whole disc. When the track ends, it will automatically be replayed. This process will be continued until you push the button again to turn off the repeat feature.

Compact disc auto changer only—

Repeating a disc:

Push and hold "RPT" until you hear a beep. "D-RPT" will appear on the display. The player will repeat all the tracks on the disc you are listening to. When the disc ends, the player will automatically go back to the top track of the disc and replay. This process will be continued until you push the button again to turn off the repeat feature.

SCAN

Radio

You can either scan all the frequencies on a band or scan only the preset stations for that band.

To scan all the frequencies:

Quickly push and release "SCAN". If you hear a beep, you held the button too long, and the radio will scan the preset stations. The radio will find the next station up the station band, stay there for a few seconds, and then scan again. To select a station, push "SCAN" a second time.

To scan the preset stations:

Push and hold "SCAN" until you hear a beep. The radio will tune in the next preset station up the band, stay there for a few seconds, and then move to the next preset station. To select a station, push "SCAN" a second time.

Compact disc player

There are two scan features—you can either scan the tracks on a specific disc or scan the first tracks of all the discs in the magazine.

Scanning for the tracks on a disc:

Quickly push and release "SCAN". "SCAN" will appear on the display and the player will scan all the tracks on the disc you are listening to. If you hear a beep, you held the button too long, and the player will scan the first tracks of all the discs in the magazine. To select a track, push the "SCAN" a second time. If the player scanned all the tracks on the disc, it will stop scanning.

Compact disc auto changer only—

Scanning for the first tracks of all the discs in the magazine:

Push and hold "SCAN" until you hear a beep. "D-SCAN" will appear on the display and the player will perform the first track of the next disc. To select a disc, push the "SCAN" a second time. If the player has scanned all the discs, it will stop scanning.

ST (Stereo reception) display

Your radio automatically changes to stereo reception when a stereo broadcast is received. "ST" appears on the display. If the signal becomes weak, the radio reduces the amount of channel separation to prevent the weak signal from creating noise. If the signal becomes extremely weak, the radio switches from stereo to mono reception.

TRACK (Track up/down button): Compact disc player

By using this button, you can skip up or down to a different track.

Push either side of the track button several times until the number of the track you want to listen to appears on the display. If you want to return the beginning of the current track, push the down side of the button one time, quickly.

TUNE

Tuning

Your Toyota has an electronic tuning radio (ETR). Push and release the "∧" (up) or "∨" (down) side of "TUNE" to step up or down the station band. (If you hear a beep, you held the button too long and the radio will go into the seek mode.)

Seeking

In the seek mode, the radio finds and plays the next station up or down the station band.

To seek a station, push and hold the "∧" or "∨" side of "TUNE" until you hear a beep. Do this again to find another station.

Car audio system operating hints

NOTICE

To ensure correct audio system operations:

- ◆ *Be careful not to spill beverages over the audio system.*
- ◆ *Do not put anything other than a cassette tape or Compact Disc into the slot.*
- ◆ *The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the audio system which you are listening to. However, this does not indicate a malfunction.*

RADIO RECEPTION

Usually, a problem with radio reception does not mean there is a problem with your radio—it is just the normal result of conditions outside the vehicle.

For example, nearby buildings and terrain can interfere with FM reception. Power lines or telephone wires can interfere with AM signals. And of course, radio signals have a limited range. The farther you are from a station, the weaker its signal will be. In addition, reception conditions change constantly as your vehicle moves.

Here are some common reception problems that probably do not indicate a problem with your radio:

FM

Fading and drifting stations—Generally, the effective range of FM is about 40 km (25 miles). Once outside this range, you may notice fading and drifting, which increase with the distance from the radio transmitter. They are often accompanied by distortion.

Multi-path—FM signals are reflective, making it possible for two signals to reach your antenna at the same time. If this happens, the signals will cancel each other out, causing a momentary flutter or loss of reception.

Static and fluttering—These occur when signals are blocked by buildings, trees, or other large objects. Increasing the bass level may reduce static and fluttering.

Station swapping—If the FM signal you are listening to is interrupted or weakened, and there is another strong station nearby on the FM band, your radio may tune in the second station until the original signal can be picked up again.

AM

Fading—AM broadcasts are reflected by the upper atmosphere—especially at night. These reflected signals can interfere with those received directly from the radio station, causing the radio station to sound alternately strong and weak.

Station interference—When a reflected signal and a signal received directly from a radio station are very nearly the same frequency, they can interfere with each other, making it difficult to hear the broadcast.

Static—AM is easily affected by external sources of electrical noise, such as high tension power lines, lightning, or electrical motors. This results in static.

CARING FOR YOUR CASSETTE PLAYER AND TAPES

For the best performance for your cassette player and tapes:

Clean the tape head and other parts regularly.

- A dirty tape head or tape path can decrease sound quality and tangle your cassette tapes. The easiest way to clean them is by using a cleaning tape. (A wet type is recommended.)

Use high-quality cassettes.

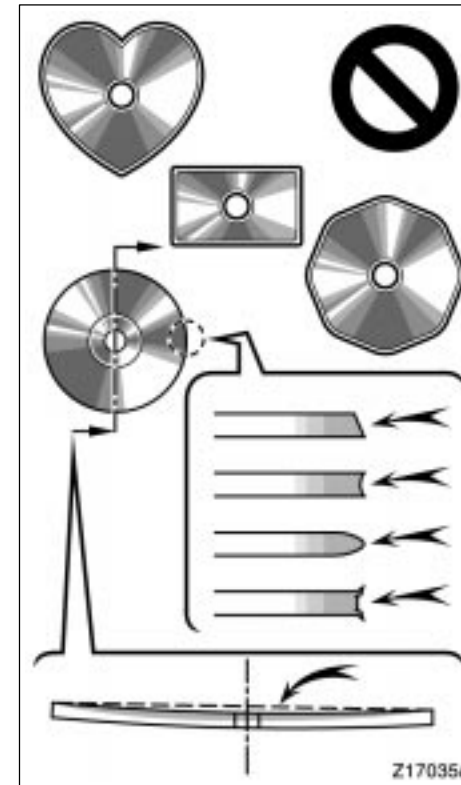
- Low-quality cassette tapes can cause many problems, including poor sound, inconsistent playing speed, and constant auto-reversing. They can also get stuck or tangled in the cassette player.
- Do not use a cassette if it has been damaged or tangled or if its label is peeling off.
- Do not leave a cassette in the player if you are not listening to it, especially if it is hot outside.
- Store cassettes in their cases and out of direct sunlight.
- Avoid using cassettes with a total playing time longer than 100 minutes (50 minutes per side). The tape used in these cassettes is thin and could get stuck or tangled in the cassette player.



Z17027

CARING FOR YOUR COMPACT DISC PLAYER AND DISCS

- Use only compact discs labeled as shown above. CD-R (CD-Recordable), CD-RW (CD-Re-writable) and personal computer use CD-ROMs may not be playable on your compact disc player.
 - Extremely high temperatures can keep your compact disc player from working. On hot days, use the air conditioning to cool the vehicle interior before you listen to a disc.
 - Bumpy roads or other vibrations may make your compact disc player skip.
- If moisture gets into your compact disc player, you may not hear any sound even though your compact disc player appears to be working. Remove the disc from the player and wait until it dries.



Z17035a

- Your automatic changer or compact disc player cannot play special shaped, labeled or low-quality compact discs such as those shown here. Do not use them as the changer or player could be damaged.
- Handle compact discs carefully, especially when you are inserting them. Hold them on the edge and do not bend them. Avoid getting fingerprints on them, particularly on the shiny side.
- Dirt, scrapes, warping, pin holes, or other disc damage could cause the player to skip or to repeat a section of a track. (To see a pin hole, hold the disc up to the light.)
- Remove discs from the compact disc player when you are not listening to them. Store them in their plastic cases away from moisture, heat, and direct sunlight.

To clean a compact disc: Wipe it with a soft, lint-free cloth that has been dampened with water. Wipe in a straight line from the center to the edge of the disc (not in circles). Dry it with another soft, lint-free cloth. Do not use a conventional record cleaner or anti-static device.



